Commonwealth of Kentucky
Environmental and Public Protection Cabinet
Department for Environmental Protection
Division for Air Quality
803 Schenkel Lane
Frankfort, Kentucky 40601
(502) 573-3382

AIR QUALITY PERMIT

Issued under 401 KAR 52:020

Permittee Name:	**Holley Performance Products Inc**
Mailing Address:	**1801 Russellville Rd, P.O. Box 10360** **Bowling Green, Kentucky, 42102-7360**
Source Name:	**Same as above**
Mailing Address:	**Same as above**
Source Location:	**Same as above**
Permit Number:	**V-03-053 (Revision 1)**
Source A. I. #:	**4116**
Activity #:	**APE20040002**
Review Type:	**Title V (Synthetic Minor), Operating**
Source ID #:	**21-227-00008**
Regional Office:	**Bowling Green Regional Office** **1508 Westen Avenue** **Bowling Green, KY 42104-3356** **(270) 746-7475**
County:	**Warren**
Application Complete Date:	**November 26, 2003**
Issuance Date:	**March 12, 2004**
Revision Date:	**December 22, 2005**
Expiration Date:	**March 12, 2009**

E-Signed by Diana Andrews
VERIFY authenticity with ApproveIt

John S. Lyons, Director
Division for Air Quality

Revised 12/09/02

TABLE OF CONTENTS

Rev #	Permit type	Log # APE#	Complete Date	Issuance Date	Summary of Action
----	**Initial Issuance**	**50716**	**11/26/03**	**3/12/04**	**Initial Issuance**
1	**Minor Revision**	**APE200 40002**	**-----**	**12/22/05**	**Minor Revision, Details in SOB**

SECTION A - PERMIT AUTHORIZATION

Pursuant to a duly submitted application the Kentucky Division for Air Quality hereby authorizes the operation of the equipment described herein in accordance with the terms and conditions of this permit. This permit has been issued under the provisions of Kentucky Revised Statutes Chapter 224 and regulations promulgated pursuant thereto.

The permittee shall not construct, reconstruct, or modify any affected facilities without first having submitted a complete application and received a permit for the planned activity from the permitting authority, except as provided in this permit or in 401 KAR 52:020, Title V Permits.

Issuance of this permit does not relieve the permittee from the responsibility of obtaining any other permits, licenses, or approvals required by this Cabinet or any other federal, state, or local agency.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS

01(17) 29 Carburetor Test Stands and 2 Masterflow Test Stands

Description: Holley Built Test Stands are used to test new and reconditioned carburetors. Incidental testing is conducted throughout the facility on carburetors and other parts using Research Solvent H.P. 917 and mineral spirits. All the test stands are vented to a single stack.
Maximum Rated Output Capacity: 140 pieces per hour.
Control Equipment: None.
Installation Date: 17 test stands in 1990 and 14 test stands in December, 2003.

APPLICABLE REGULATIONS:
401 KAR 63:021 – Existing sources emitting toxic air pollutants

1. Operating Limitations:

a. Total material usage and hours of operation shall be limited so as not to exceed the emission limitations listed in *2. Emission Limitations* below.
b. H.P. 917 solvent usage + mineral spirits usage shall not exceed 101.28 lbs/hour and 202.56 tons/year.
c. Maximum operating hours = 4000 hours/year.
d. Maximum carburetor throughputs/inputs shall not exceed 140 pieces/hour and 560,000 pieces/year.

Compliance Demonstration Method:

	Unit	***Demonstration Method***
H.P. 917 + Mineral Spirit	lbs/hr	Total monthly solvent usage (lbs) / total monthly hours of operation
	tons/year	12-month rolling total solvent usage (lbs) / 2000 (lbs/ton)
Carburetor throughput	pieces/hour	Total monthly throughput (pieces) / total monthly hours of operation
	pieces/year	12-month rolling total (pieces)

If usage is recorded in gallons,
- To convert to lbs = Solvent usage (gal) x 6.51 (lbs/gal)
- To convert to tons = [Solvent usage (gal) x 6.51 (lbs/gal)] / 2000 (lbs/ton)

2. Emission Limitations:

Plant-wide emission limitations (See Section D).

Compliance Demonstration Method:

Pollutant	***Unit***	***Demonstration Method***
Total VOC emissions	tons/month	Total monthly solvent usage (tons)
	tons/year	12-month rolling total (tons)

SECTION B -EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

3. Testing Requirements:

See Section D for specific and/or general testing requirements.

4. Specific Monitoring Requirements:

a. The permittee shall monitor:
   i. Solvent usage rates.
   ii. Throughput/input of pieces involved in testing.
   iii. Hours of operation.
   iv. VOC emissions.

b. See Section F for specific and/or general monitoring requirements.

5. Specific Recordkeeping Requirements:

a. The permittee shall keep records of:
   i. *Daily* - Solvent usage, hours of operation, and throughputs/inputs of pieces.
   ii. *Monthly* – Solvent usage (lbs/hr and tons/month), hours of operation, throughputs/inputs of pieces, and VOC emissions (tons/month).
   iii. *Yearly* – Solvent usage (tons/year), hours of operations, throughputs/inputs of pieces, and VOC emissions (tons/year).
   iv. *All times* - H.P. 917 solvent and Mineral Spirits Material Safety Data Sheets.

b. See Section F for specific and/or general record keeping requirements.

6. Specific Reporting Requirements:

a. The permittee shall submit the records specified in *5. Specific Recordkeeping Requirements* above semi-annually.

b. See Section F for specific and/or general reporting requirements.

7. Specific Control Equipment Operating Conditions:

None.

8. Alternate Operating Scenarios:

None.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

02(1) Carbonitride Heat Treating Furnace

Description: One Dow Furnace is used to treat steel parts. This unit is a controlled atmosphere furnace that uses cracked natural gas to generate heat and an endothermic atmosphere. The cracked natural gas has a higher carbon monoxide concentration (approximately 20%) than regular natural gas. In addition, ammonia is used in this process to generate nitrogen resulting in approximately 10% of the ammonia being emitted as NO_x.
Maximum Rated Capacity: 0.6 mmBTU/hr.
Control Equipment: None.
Installation Date: 1970.

APPLICABLE REGULATIONS:
401 KAR 61:020 – Existing Process Operations

1. Operating Limitations:
Total material usage and hours of operation shall be limited so as not to exceed the emission limitations listed in *2. Emission Limitations* below.

2. Emission Limitations:
a. Plant-wide emission limitations (See Section D).
b. Particulate Matter (PM) emissions from a control device or stack into the open air shall not exceed 2.58 lbs/hr [401 KAR 61:020, Section 3(2)(a)].
c. Visible emissions shall not equal or exceed 40 percent opacity [401 KAR 61:020, Section 3(a)].

Compliance Demonstration Method:

Pollutant	*Unit*	*Demonstration Method*
VOC emissions	tons/year	Natural gas usage rate (mmscf/hr) x 5.5 (lbs/mmscf) x yearly hours of operation / 2000 (lbs/ton)
PM emissions	lbs/hr	Natural gas usage rate (mmscf/hr) x 7.6 (lbs/mmscf)

3. Testing Requirements:
See Section D for specific and/or general testing requirements.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

4. Specific Monitoring Requirements:

a. The permittee shall monitor:
   i. Natural gas usage rate.
   i. Hours of operation.
   ii. VOC emissions.

b. See Section F for specific and/or general monitoring requirements.

5. Specific Recordkeeping Requirements:

a. The permittee shall keep records of:
   i. *Daily* – Hours of operation.
   ii. *Monthly* – Hours of operation and PM emissions (lbs/hr).
   iii. *Yearly* – Hours of operation and VOC emissions (tons/year).

b. See Section F for specific and/or general record keeping requirements.

6. Specific Reporting Requirements:

a. The permittee shall submit the records specified in *5. Specific Recordkeeping Requirements* above semi-annually.

b. See Section F for specific and/or general reporting requirements.

7. Specific Control Equipment Operating Conditions:

None.

8. Alternate Operating Scenarios:

None.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

03(11) Iso-Octane Fuel Flow Testing

Description: Two Holley Design and Build units having a constant flow of iso-octane (2,2,4-Trimethylpentane) perform QA/QC testing on various products.
Control Equipment: None.
Installation Date: 1981.

APPLICABLE REGULATIONS:
401 KAR 63:021 – Existing sources emitting toxic air pollutants

1. Operating Limitations:

a. Total material usage and hours of operation shall be limited so as not to exceed the emission limitations listed in *2. Emission Limitations* below.
b. Iso-octane usage shall not exceed 1.9 lbs/hr and 3.8 tons/year.
c. Maximum operating hours = 4000 hours/year.

Compliance Demonstration Method:

	Unit	*Demonstration Method*
Iso-Octane	lbs/hr	Total monthly usage (lbs) / total monthly hours of operation
	tons/year	12-month rolling total usage (lbs) / 2000 (lbs/ton)

If usage is recorded in gallons,
- To convert to lbs = Solvent usage (gal) x 5.81 (lbs/gal)
- To convert to tons = [Solvent usage (gal) x 5.81 (lbs/gal)] / 2000 (lbs/ton)

2. Emission Limitations:

Plant-wide emission limitations (See Section D).

Compliance Demonstration Method:

Pollutant	*Unit*	*Demonstration Method*
2,2,4 - Trimethylpentane (HAP & VOC) emissions	tons/month	Total monthly solvent usage (tons) x 99.8/100
	tons/year	12-month rolling total usage (tons)

SECTION B -EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

3. Testing Requirements:

See Section D for specific and/or general testing requirements.

4. Specific Monitoring Requirements:

a. The permittee shall monitor:
   i. Iso-Octane usage rate.
   ii. Hours of operation.
   iii. VOC emissions.

b. See Section F for specific and/or general monitoring requirements.

5. Specific Recordkeeping Requirements:

a. The permittee shall keep records of:
   i. *Daily* – Iso-Octane usage and hours of operation.
   ii. *Monthly* – Iso-Octane usage (lbs/hr and tons/month), hours of operation, and VOC emissions (tons/month).
   iii. *Yearly* – Iso-Octane usage (tons/year), hours of operations, and VOC emissions (tons/year).
   iv. *All times* - Iso-Octane Material Safety Data Sheet.

b. See Section F for specific and/or general record keeping requirements.

6. Specific Reporting Requirements:

a. The permittee shall submit the records specified in *5. Specific Recordkeeping Requirements* above semi-annually

b. See Section F for specific and/or general reporting requirements.

7. Specific Control Equipment Operating Conditions:

None.

8. Alternate Operating Scenarios:

None.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

04 1 Branson Ultrasonic Degreaser & 1 Aqueous Ultrasonic Cleaner

1 Branson Ultrasonic Degreaser

Description: The Branson Ultrasonic degreaser is used to clean parts in production. A non-halogenated, non-chlorinated or chlorofluorinated, and 100% volatile Nu-Tri-Clean solvent is used.

Control Equipment: None.

Installation Date: November 12, 1999.

1 Aqueous Ultrasonic Cleaner

Description: This equipment utilizes ultrasonic frequencies in conjunction with a non-halogenated, non-chlorinated or chlorofluorinated, and 100% volatile Nu-Tri-Clean solvent to clean castings and small parts.

Control equipment: None.

Installation date: March 2004

APPLICABLE REGULATIONS:

401 KAR 59:185 – New Solvent Metal Cleaning Equipment

1. Operating Limitations:

a. Total material usage and hours of operation shall be limited so as not to exceed the emission limitations listed in *2. Emission Limitations* below.

b. Nu-Tri-Clean usage rate shall not exceed 1.46 lbs/hr (0.13 gals/hr) and 2.92 tons/yr (520 gals/yr).

c. Maximum operating hours = 4000 hours/year.

d. Pursuant to 401 KAR 59:185, Section 4 – Cold Cleaners:

i. The cleaner shall be equipped with a cover. If the solvent volatility is greater than fifteen (15) mm Hg measured at 100^{o}F or if the solvent is agitated or heated, then the cover shall be designed so that it can be easily operated with one (1) hand.

ii. The cleaner shall be equipped with a drainage facility so that solvent that drains off parts removed from the cleaner will return to the cleaner. If the solvent volatility is greater than thirty-two (32) mm Hg measured at 100^{o}F then the drainage facility shall be internal so that parts are enclosed under the cover while draining. The drainage facility may be external if the cabinet determines that an internal type cannot fit into the cleaning system.

iii. A permanent, conspicuous label, summarizing the operating requirements specified in (vi) shall be installed on or near the cleaner.

iv. If used, the solvent spray shall be a fluid stream (not a fine, atomized or shower type spray) and at a pressure which does not cause excessive splashing.

v. If the solvent volatility is greater than thirty-two (32) mm Hg measure at 100^{o}F or if the solvent is heated above 120^{o}F, then one of the following control devices shall be used:

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

- Freeboard that gives a freeboard ratio greater than or equal to seven-tenths (0.7).
- Water cover (solvent shall be insoluble in and heavier than water).
- Other systems of equivalent control, such as a refrigerated chiller or carbon adsorption.

vi. Operating Requirements:
- Waste solvent shall not be disposed of or transferred to another party so that greater than twenty (20) percent by weight of the waste solvent can evaporate into the atmosphere. Waste solvent shall be stored only in covered containers.
- Degreaser cover shall be closed if not handling parts in the cleaner.
- Cleaned parts shall be drained until dripping ceases (fifteen (15) seconds is usually necessary).

vii. Any cold cleaners shall be exempted from requirements in (i)-(vi) if all the following criteria are met:
- The cold cleaner has a remote solvent reservoir;
- The solvent used in the cold cleaner does not have a vapor pressure that exceeds thirty-three (33) mm Hg measured at 100^{o}F or is not heated above 120^{o}F;
- The sink-like work area has an open drain area less than 100 sq cm; and
- Evidence shall be provided that waste solvent is properly stored or disposed of with minimal loss due to evaporation.

Compliance Demonstration Method:

	Unit	***Demonstration Method***
Nu-Tri-Clean	lbs/hr	Total monthly usage (lbs)/total monthly hours of operation
	tons/year	12-month rolling total usage (lbs)/2000 (lbs/ton)

If Nu-Tri-Clean usage is recorded in gallons,
- To convert to lbs = Solvent usage (gal) x 11.27 (lbs/gal)
- To convert to tons = [Solvent usage (gal) x 11.27 (lbs/gal)] / 2000 (lbs/ton)

viii. The permittee shall follow the Compliance Timetable in 401 KAR 59:185 Section 7.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

2. Emission Limitations:

Plant-wide emission limitations (See Section D).

Compliance Demonstration Method:

Pollutant	***Unit***	***Demonstration Method***
Total VOC emissions	tons/month	Total monthly Nu-Tri-Clean usage (tons)
	tons/year	12-month rolling total (tons)

3. Testing Requirements:

See Section D for specific and/or general testing requirements.

4. Specific Monitoring Requirements:

a. The permittee shall monitor:
   i. Nu-Tri-Clean usage rate.
   ii. Hours of operation.
   iii. VOC emissions.

b. See Section F for specific and/or general monitoring requirements.

5. Specific Recordkeeping Requirements:

a. The permittee shall keep records of:
   i. *Daily* – Nu-Tri-Clean usage, and hours of operation.
   ii. *Monthly* – Nu-Tri-Clean usage (lbs/hr and tons/month), hours of operation, and VOC emissions (tons/month).
   iii. *Yearly* – Nu-Tri-Clean usage (tons/year), hours of operations, and VOC emissions (tons/year).
   iv. *All times* - Nu-Tri-Clean Material Safety Data Sheets.
   v. *All times* - For cold cleaners exempted, a record showing how the criteria were met.

b. See Section F for specific and/or general record keeping requirements.

6. Specific Reporting Requirements:

a. The permittee shall submit the records specified in *5. Specific Recordkeeping Requirements* above semi-annually

b. See Section F for specific and/or general reporting requirements.

7. Specific Control Equipment Operating Conditions:

None.

8. Alternate Operating Scenarios:

None.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

05[18(a,b,c)] 3 Cold Cleaners

Description: Cold cleaning units utilize un-heated, non-halogenated, and 100% volatile H.P. Carburetor Cleaner to clean castings, parts, or completed carburetors.
Control equipment: None.
Installation date: March 2004.

#	Process Description
18(a & b)	2 cold cleaners utilize a stream of H.P. Carburetor Cleaner to clean incoming parts to be reconditioned. Both cold cleaners exhaust through one stack.
18(c)	One cleaner uses spent H.P. Carburetor Cleaner to soak parts. No exhaust.

APPLICABLE REGULATIONS:
401 KAR 59:185 – New Solvent Metal Cleaning Equipment

1. Operating Limitations:

a. Total material usage and hours of operation shall be limited so as not to exceed the emission limitations listed in *2. Emission Limitations* below.
b. Total H.P. Carburetor Cleaner usage rate shall not exceed 4.42 lbs/hr and 4.42 tons/year.
c. Maximum operating hours = 2000 hours/year.
d. Pursuant to 401 KAR 59:185, Section 4 – Cold Cleaners:
   i. The cleaner shall be equipped with a cover. If the solvent volatility is greater than fifteen (15) mm Hg measured at 100^{o}F or if the solvent is agitated or heated, then the cover shall be designed so that it can be easily operated with one (1) hand.
   ii. The cleaner shall be equipped with a drainage facility so that solvent that drains off parts removed from the cleaner will return to the cleaner. If the solvent volatility is greater than thirty-two (32) mm Hg measured at 100^{o}F then the drainage facility shall be internal so that parts are enclosed under the cover while draining. The drainage facility may be external if the cabinet determines that an internal type cannot fit into the cleaning system.
   iii. A permanent, conspicuous label, summarizing the operating requirements specified in (vi) shall be installed on or near the cleaner.
   iv. If used, the solvent spray shall be a fluid stream (not a fine, atomized or shower type spray) and at a pressure which does not cause excessive splashing.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

v. If the solvent volatility is greater than thirty-two (32) mm Hg measure at 100°F or if the solvent is heated above 120°F, then one of the following control devices shall be used:
   - Freeboard that gives a freeboard ratio greater than or equal to seven-tenths (0.7).
   - Water cover (solvent shall be insoluble in and heavier than water).
   - Other systems of equivalent control, such as a refrigerated chiller or carbon adsorption.

vi. Operating Requirements:
   - Waste solvent shall not be disposed of or transferred to another party so that greater than twenty (20) percent by weight of the waste solvent can evaporate into the atmosphere. Waste solvent shall be stored only in covered containers.
   - Degreaser cover shall be closed if not handling parts in the cleaner.
   - Cleaned parts shall be drained until dripping ceases (fifteen (15) seconds is usually necessary).

vii. Any cold cleaners shall be exempted from requirements in (i)-(vi) if all the following criteria are met:
   - The cold cleaner has a remote solvent reservoir;
   - The solvent used in the cold cleaner does not have a vapor pressure that exceeds thirty-three (33) mm Hg measured at 100°F or is not heated above 120°F;
   - The sink-like work area has an open drain area less than 100 sq cm; and
   - Evidence shall be provided that waste solvent is properly stored or disposed of with minimal loss due to evaporation.

Compliance Demonstration Method:

	Unit	***Demonstration Method***
H. P. Carburetor Cleaner	lbs/hr	Total monthly usage (lbs)/total monthly hours of operation
	tons/year	12-month rolling total usage (lbs)/2000 (lbs/ton)

If H.P. Carburetor Cleaner usage is recorded in gallons,
- To convert to lbs = Solvent usage (gal) x 7.02 (lbs/gal)
- To convert to tons = [Solvent usage (gal) x 7.02 (lbs/gal)] / 2000 (lbs/ton)

viii. The permittee shall follow the Compliance Timetable in 401 KAR 59:185 Section 7.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

2. Emission Limitations:

Plant-wide emission limitations (See Section D).

Compliance Demonstration Method:

Pollutant	*Unit*	*Demonstration Method*
Total VOC emissions	tons/month	Total monthly H.P. Carburetor Cleaner usage (tons)
	tons/year	12-month rolling total (tons)

3. Testing Requirements:

See Section D for specific and/or general testing requirements.

4. Specific Monitoring Requirements:

a. The permittee shall monitor:
   i. H.P. Carburetor Cleaner usage rate.
   ii. Hours of operation.
   iii. VOC emissions.

b. See Section F for specific and/or general monitoring requirements.

5. Specific Recordkeeping Requirements:

a. The permittee shall keep records of:
   i. *Daily* – H.P. Carburetor Cleaner usage, and hours of operation.
   ii. *Monthly* – H.P. Carburetor Cleaner usage (lbs/hr and tons/month), hours of operation, and VOC emissions (tons/month).
   iii. *Yearly* – H.P. Carburetor Cleaner usage (tons/year), hours of operations, and VOC emissions (tons/year).
   iv. *All times* - H.P. Carburetor Cleaner Material Safety Data Sheets.
   v. *All times* – For cold cleaners exempted, a record showing how the criteria were met.

b. See Section F for specific and/or general record keeping requirements.

6. Specific Reporting Requirements:

a. The permittee shall submit the records specified in *5. Specific Recordkeeping Requirements* above semi-annually

b. See Section F for specific and/or general reporting requirements.

7. Specific Control Equipment Operating Conditions:

None.

8. Alternate Operating Scenarios:

None.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

06(12, 13, 14, 15) Plating Operations

Description:

#	Process Description	Tank No.	Chemical used	Maximum Operating Hours	Maximum Hourly Rate (Gallons/hr)	Maximum Yearly Rate (tons/yr)
12	Adjamatic/Deoxidizer	1-Adjamatic	Aquaease	7200	0.05	10.48
		2-Adjamatic	Aquaease	7200	0.05	10.48
		8-Adjamatic	Dascobond Chromate Dip 09240	7200	0.08	3.94
13	Plating	5-Udylite	Muriatic Acid	7200	6	125.1
		7-DMP Auto	5% Yellow Chromate	7200	1.5	8.5
		8-DMP Auto	80% HCl Acid	7200	5	0.06
		11-DMP Auto	100% Yellow T Chromate	7200	1.5	8.5
		3-Premium	Cleaner Sel 321 Techmatic	7200	0.13	1.34
		4-Premium	Yellow T Chromate	7200	0.02	1.05
		1-Dye Line	Clepo-pk-3	7200	0.03	0.04
		5-Dye Line	Chromate Black 1p Dye	7200	0.01	0.1
		9-Brass Cleaning	Green Dye	7200	0.001	0.16
		12-Brass Cleaning	35.2% HCl	7200	0.3	63.7
14	Udylite	1-Udylite	49 NC Soap	7200	7	4.38
		2-Udylite	1054-A Soap	7200	0.2	4.96
		9-Udylite	50% NaOH	7200	7	8.75
			99.9% Zinc		1.5	1
			<0.1% Na Bisulfite		0.1	21.5
			<0.65% Na Bisulfite		0.08	10.75
		13 -Udylite	Yellow T Chromate	7200	0.08	1.1
15	DMP Manual/DMP Auto/Premium/Dye Line/Brass Cleaning	1-DMP Manual	Techoil 120	7200	0.125	1.27
		2-DMP Manual	Techphos 3000	7200	0.04	0.99
		3-DMP Manual	Techphos 400-NF	7200	0.04	2.38
		5-DMP Manual	Maxi-Black Fe	7200	1.3	1.09
		6-DMP Manual	49 NC Soap	7200	0.35	4.38
		9-DMP Manual	35.2% HCl	7200	1.5	63.08
		11-DMP Manual	Maxi-Black Fe	7200	1.3	1.09
		14-DMP Manual	<5% Glycols	7200	0.4	0.64
		1-DMP Auto	<5% Glycols	7200	0.25	0.31
		2-DMP Auto	25% NaOH	7200	1.0	17.5
		3-DMP Auto	25% NaOH	7200	1.0	17.5
		14-DMP Auto	25% NaOH	7200	0.8	12.88
		17-DMP Auto	100% Yellow T Chromate	7200	1.5	8.5
		1-Premium	50% NaOH	7200	1.0	4.38
			99.9% Zinc		0.01	0.05
			<0.1% Na Bisulfite		0.13	21.5
			<0.65% Na Bisulfite		0.01	10.75
		6-Premium	Laquer 2H	7200	0.05	0.23
		3-Dye Line	Olive Drab Dichromate I&II	7200	0.04	0.83
		1-Brass Cleaning	Chromate Iridite 80	7200	0.04	0.5
		2-Brass Cleaning	1% Nitric Acid	7200	0.5	1.14
		11-Brass Cleaning	Yellow T Chromate	7200	0.02	4.2

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

a. There are a total of 8 plating lines that emit through four exhaust points.
b. Emission point 12 – Tanks from Adjamatic Line and Deoxidize vent to the Adjamatic/Chromate Scrubber.
c. Emission point 13 – Tanks from Brass Cleaning, Udylite, Deoxidize, DMP Automatic, Premium Line and Dye line vent to the Acid Scrubber.
d. Emission point 14 – Tanks from the Udylite line vent to the Udylite Chromate/Zinc Scrubber.
e. Emission point 15 – Tanks from Brass Cleaning, DMP Automatic, DMP Manual, Premium Line and Dye lines vent to the DMP lines Chromate/Zinc Scrubber.
f. Each line consists of a series of 5 to 17 tanks with cleaners, acids, dyes, rinse tanks, and plating baths depending on the preferred surface. Most of the plating is chemical plating. While chrome is present in some of the raw materials, no current is introduced into any of the baths that contain chrome.
g. A series of plastic or metal parts are arranged on hangers and dipped into the appropriate series of baths, and for the duration of time specified in the formula for the individual coating. Parts are left dry after plating and before assembly.

APPLICABLE REGULATIONS:
401 KAR 59:010 – New Process Operations
401 KAR 63:021 – Existing sources emitting toxic air pollutants

1. Operating Limitations:
Total material usage and hours of operation shall not exceed the limitations specified in the above description.

Compliance Demonstration Method:

	Unit	*Demonstration Method*
Each Chemical Used	Gals/hr	Total monthly usage (gals)/total monthly hours of operation
	Tons/year	[12-month rolling total usage (gals) x Density (lbs/gal)]/2000 (lbs/ton)

If usage is recorded in lbs,
- To convert to gallons = Chemical usage (lbs) / Density (lbs/gal)
- To convert to tons = Chemical usage (lbs) / 2000 (lbs/ton)

2. Emission Limitations:
a. Plant-wide emission limitations (See Section D)
b. Particulate Matter (PM) emissions from a control device or stack into the open air shall not exceed 2.34 lbs/hr [401 KAR 59:010, Section 3(2)].
c. Visible emissions shall not equal or exceed 20 percent opacity [401 KAR 59:010, Section 3(1)]

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

Compliance Demonstration Method:

Pollutant	*Unit*	*Demonstration Method*
For each pollutant emissions in each tank	tons/month	Total monthly chemical usage (tons) x emission factor (lbs/to
	tons/year	12-month rolling total (tons)
Particulate Matter (PM) emissions in each tank	lbs/hr	[Total monthly chemical usage (tons) x emission factor (lbs/ton)] / total monthly hours of operation
Zinc Oxide emissions in each tank	lbs/hr	[Total monthly chemical usage (tons) x emission factor (lbs/ton)] / total monthly hours of operation
	tons/year	12-month rolling total (tons)
Sulfuric Acid&HCl Emissions in each tank	lbs/hr	[Total monthly chemical usage (tons) x emission factor (lbs/ton)] / total monthly hours of operation
	tons/year	12-month rolling total (tons)
Sodium Hydroxide emissions in each tank	lbs/hr	[Total monthly chemical usage (tons) x emission factor (lbs/ton)] / total monthly hours of operation
	tons/year	12-month rolling total (tons)

Emission factors shall be obtained from the tables below.

#	*Process Description*	*Tank Designation*	*Pollutants*	*Emission Factor (lbs/ton)*
12	Adjamatic/Deoxidizer	1-Adjamatic	Sodium Hydroxide	100
			Total PM	100
		2-Adjamatic	Sodium Hydroxide	100
			Total PM	100
		8-Adjamatic	Sulfuric Acid	20
			Total PM	130
13	Plating	5-Udylite	Hydrochloric Acid	63
			PM	63
		7-DMP Auto	Sulfuric Acid	10
			Total PM	30
		8-DMP Auto	Hydrochloric Acid	160
			PM	160
		11-DMP Auto	Sulfuric Acid	10
			Total PM	30
		3-Premium	Sodium Hydroxide	40
			Total PM	100
		4-Premium	Sulfuric Acid	10
			Total PM	120
		1-Dye Line	Total PM	46
		5-Dye Line	Total PM	200
		9-Brass Cleaning	Total PM	200
		12-Brass Cleaning	Hydrochloric Acid	70.4
			PM	70.4

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

#	*Process Description*	*Tank Designation*	*Pollutants*	*Emission Factors (lbs/ton)*
14	Udylite	1-Udylite	Sodium Hydroxide	60
			Total PM	100
		2-Udylite	VOCs	10
			Total PM	190
		9-Udylite	Sodium Hydroxide	100
			Total PM	200
		13 -Udylite	Sulfuric Acid	10
			Total PM	120
15	DMP Manual/DMP Auto/Premium/Dye Line/Brass Cleaning	1-DMP Manual	VOCs	140
		2-DMP Manual	Zinc Oxide	30
			Total PM	120
		3-DMP Manual	Zinc Oxide	20
			Total PM	130
		5-DMP Manual	Sodium Hydroxide	130
			Total PM	200
		6-DMP Manual	Sodium Hydroxide	60
			Total PM	200
		9-DMP Manual	Hydrochloric Acid	70.4
			Total PM	70.4
		11-DMP Manual	Sodium Hydroxide	130
			Total PM	200
		14-DMP Manual	VOC	10
		1-DMP Auto	VOC	10
		2-DMP Auto	Sodium Hydroxide	50
			Total PM	50
		3-DMP Auto	Sodium Hydroxide	50
			Total PM	50
		14-DMP Auto	Sodium Hydroxide	50
			Total PM	50
		17-DMP Auto	Sulfuric Acid	10
			Total PM	120
		1-Premium	Sodium Hydroxide	100
			Total PM	200
		6-Premium	VOCs	200
		3-Dye Line	Total PM	200
		1-Brass Cleaning	Sulfuric Acid	16
			Total PM	156
		2-Brass Cleaning	Total PM	2
		11-Brass Cleaning	Sulfuric Acid	10
			Total PM	120

3. <u>Testing Requirements</u>:

See Section D for specific and/or general testing requirements.

4. <u>Specific Monitoring Requirements</u>:

a. The permittee shall monitor:
   i. Chemical usage rates.
   ii. Hours of operation.
   iii. PM, VOC, Zinc Oxide, Sodium Hydroxide, Sulfuric Acid and Hydrochloric acid emissions.

b. See Section F for specific and/or general monitoring requirements.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

5. Specific Recordkeeping Requirements:

a. The permittee shall keep records of:

i. *Daily* – Each chemical usage and hours of operation.

ii. *Monthly* – Each chemical usage (lbs/hr and tons/month), hours of operation, PM Sulfuric Acid, Sodium Hydroxide and Zinc Oxide emissions (tons/month and lbs/hr), and VOC emissions in tons/month.

iii. *Yearly* – Each chemical usage (tons/year), hours of operations, VOC, Sulfuric Acid, Hydrochloric acid, Sodium Hydroxide and Zinc Oxide emissions in tons/year.

iv. *All times* - Each chemical Material Safety Data Sheet.

b. See Section F for specific and/or general record keeping requirements.

6. Specific Reporting Requirements:

a. The permittee shall submit the records specified in *5. Specific Recordkeeping Requirements* above semi-annually.

b. See Section F for specific and/or general reporting requirements.

7. Specific Control Equipment Operating Conditions:

None.

8. Alternate Operating Scenarios:

None.

SECTION C - INSIGNIFICANT ACTIVITIES

The following listed activities have been determined to be insignificant activities for this source pursuant to 401 KAR 52:020, Section 6. While these activities are designated as insignificant the permittee must comply with the applicable regulation and some minimal level of periodic monitoring may be necessary.

#	*Description*	*Raw Material Used*	*Maximum Usage Rate*	*General Applicable Regulation*
1	Boiler (4000 hrs/yr)	Natural Gas	1.8 mmBTU/hr	None
2	2 Space Heater	Natural Gas	0.5 mmBTU/hr	None
	5 Space Heater		0.25 mmBTU/hr	
	2 Space Heater		0.19 mmBTU/hr	
	3 Space Heater		0.15 mmBTU/hr	
	5 Space Heater		0.125 mmBTU/hr	
3	10 Grinders with Cyclones			401 KAR 59:010
4	Thermal Deburring Units with Cyclone	Metal Parts, Natural Gas	 0.5 mmBTU/hr	401 KAR 59:010 None
5	Dow Parts Washer	Cerfa Klean 5380 cleaner Natural Gas	220 gals/yr 0.2 mmBTU/hr	None None
6	6 Pars Washers	Kleenapart	2032 lbs/yr	None
7	5 Torex Polishers (4000 hours/year)	Roto-Brite XL-1270 Bio-Clean D-980 Bio-Clean D-547 Bio-Clean D-326	1.4 gals/hr and 5610 gals/year 0.58 gals/hr and 2310 gals/year 0.06 gals/hr and 220 gals/year 0.1 gals/hr and 385 gals/year	None None None None
8	Strain Drawing of Metal Parts	Natural Gas	612,600 BTU/hr	None
9	Maintenance Welding	Welding Electrode (E-7024)	2 lbs/hr and 2000 lbs/year	401 KAR 63:010
10	SWECO shaker	TU-VB-RP soap		None
11	2 Heated Aqueous Washers 2 Natural Gas Heater	Solen 9393 Natural Gas	0.47 gals/hr 0.24 mmBTU/hr each	None None
12	One 2-part Foam Process	InstaFill Foam	57,000 lbs/year	401 KAR 63:010
13	5 Glass Bead Blasters		31.4 lbs/hr	401 KAR 63:010
14	4 Aqueous Vibratory Cleaners	Solen 9012B	0.725 gals/hr	None
15	Silver Soldering Line	Brazing Paste Brazing Wire	200 ounce/yr 6 ounce/yr	401 KAR 63:010
16	Onshrud Surface Milling Machine With Attached Cyclone			401 KAR 63:010
17	2 Dynamometers	Unleaded Gasoline	285 Gals/yr	None
18	Sandblasting with Fabric Filter			401 KAR 63:010
19	11 CNC Machines & Downdraft Tables			401 KAR 63:010
20	4 Two-part Foam packing Units	Foam	160,000 lbs/yr	401 KAR 63:010
21	Above Ground Storage Tanks: One 1000 gallons Two 2000 gallons One Extra 2000 gallons	 Unleaded Gasoline Mineral Spirits		 None None None
22	5 Soldering Stations	Solder Wire	Two 16-ounce spools of flux-core solder/yr each station	401 KAR 63:010 401 KAR 63:020
23	Impregnation Line: Tank 1 Tank 2 Tank 4	 Resinol RTC (Liquid) Surfonic N-95 (Liquid) Sodium Erythobate	 208 gals/yr 13 gals/yr 250 lbs/yr	 None None 401 KAR 63:010

SECTION C - INSIGNIFICANT ACTIVITIES (CONTINUED)

#	*Description*	*Raw Material Used*	*Maximum Usage Rate*	*General Applicable Regulation*
24	001-Fuel Bowl Test Stand (Primary Assembly Line)	Mineral Spirits	2 Tons/yr Total	None
	002-Fuel Bowl Test Stand (Secondary Assembly Line)			
	003-Electric Fuel Pump Test Stand (Back up Unit)			
	004-Electric Fuel Pump Test Stand (Fuel Pump Assembly Line)			
	005-Regulator Test Stand (Large)			
	006-G-Roter Test Stand			
	007-Regulator Test Stand (Small)			
	008-Fuel Pump Test Stand			
	010-Mechanical Fuel Pump Test Stand			
	014-Fuel Injector Test Bench			
	015-Mechanical Fuel Pump Durability Test Stand			
	016-Asnu Injector Cleaner and Testing Machine			
	009-Power Valve Test Stand			KAR 63:020
	011-Fuel Injector Durability Test Stand			
	012-Electric Fuel Pump Durability Test Stand			
	013-Pressure Regulator Test Stand	Air		None

SECTION D - SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS

1. As required by Section 1b of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26; compliance with annual emissions and processing limitations contained in this permit, shall be based on emissions and processing rates for any twelve (12) consecutive months.

2. Volatile Organic Compounds (VOC), Sulfuric Acid, Sodium Hydroxide, Chromium III, Chromic Acid (Chromium VI), and Zinc Oxide emissions, as measured by methods approved by the division, shall not exceed the respective limitations specified herein.

3. Plant-wide VOC emissions shall not exceed 240 tons/year to preclude PSD major source applicability.

   Compliance Demonstration Method:

   $$VOC = [\sum_{1}^{6} VOC_i] + I.A.$$

   Where, i = 1,2,3,…,6
   VOC_i (tons/year) = VOC emissions from emission point 1 to 6 in Section B
   I.A. (tons/year) = VOC emissions from Insignificant Activities = 6.1 tons/year

4. Plant-wide Sulfuric Acid emissions shall not exceed 2.23 lbs/hour and 4.46 tons/year.

   Compliance Demonstration Method:

   - For each month, the sum of Sulfuric Acid emissions (lbs/hr) from each tank in emission point 06 – Plating Operations.
   - For each year, the sum of monthly Sulfuric Acid emissions (tons/month) from each tank in emission point 06 – Plating Operations.

5. Plant-wide Sodium Hydroxide emissions shall not exceed 5.16 lbs/hour and 5.16 tons/year.

   Compliance Demonstration Method:

   - For each month, the sum of Sodium Hydroxide emissions (lbs/hr) from each tank in emission point 06 – Plating Operations.
   - For each year, the sum of monthly Sodium Hydroxide emissions (tons/month) from each tank in emission point 06 – Plating Operations.

SECTION D - SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS (CONTINUED)

6. Plant-wide Zinc Oxide emissions shall not exceed 12.5 lbs/hour and 12.5 tons/year.

   Compliance Demonstration Method:

   - For each month, the sum of Zinc Oxide emissions (lbs/hr) from each tank in emission point 06 – Plating Operations + 0.3 lbs/hr (Thermal Deburring emission point).
   - For each year, the sum of monthly Zinc Oxide emissions (tons/month) from each tank in emission point 06 – Plating Operations + 1.314 tons/year (Thermal Deburring emission point).

7. Plant-wide Chromic Acid (Chromium VI) emissions shall not exceed 0.006 lbs/hr and 0.02 tons/year. [401 KAR 63:020. Potentially hazardous matter or toxic substances]

   Compliance Demonstration Method:

   - The control device shall be operated all the time when plating lines (emission point 6) are operating. This will assure the emission is below the limits.
   - Stack testing is required for all stacks of plating lines once every five years. (See General Conditions G(d)(7))
   - In order to show compliance with 401 KAR 63:020, Potentially hazardous matter or toxic substances, the permittee shall model for Chromium (VI) compounds and Chromic acid mist, due to the emission of chromium from the source. The concentration of Chromium (VI) compounds and Chromic acid mist in the ambient air, open to the public, shall be below the carcinogenic risk of 1 in 1 million (as listed in the EPA Prioritized Dose-Response Values (PRDV)), which corresponds to the concentration of Chromium (VI) compounds and Chromic acid less than or equal to 0.1 $\mu g/m^3$ and 0.008 $\mu g/m^3$, respectively. Results shall be sent to the Division for Air Quality, no later than 3 months from issuance of this permit. If the permittee fails to show compliance as tested or modeled, then measures shall be taken to reduce the emissions which can include but not limited to adding additional control device(s) and/or pollution prevention measures (e.g. material substitution). The permittee is allowed one extra month to submit a remedial plan if one is required. The remedial plan shall also include timeline to accomplish the proposed actions.

SECTION E - SOURCE CONTROL EQUIPMENT REQUIREMENTS

Pursuant to 401 KAR 50:055, Section 2(5), at all times, including periods of startup, shutdown and malfunction, owners and operators shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Division which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.

SECTION F - MONITORING, RECORD KEEPING, AND REPORTING REQUIREMENTS

1. Pursuant to Section 1b (IV)1 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26, when continuing compliance is demonstrated by periodic testing or instrumental monitoring, the permittee shall compile records of required monitoring information that include:
   a. Date, place as defined in this permit, and time of sampling or measurements;
   b. Analyses performance dates;
   c. Company or entity that performed analyses;
   d. Analytical techniques or methods used;
   e. Analyses results; and
   f. Operating conditions during time of sampling or measurement.

2. Records of all required monitoring data and support information, including calibrations, maintenance records, and original strip chart recordings, and copies of all reports required by the Division for Air Quality, shall be retained by the permittee for a period of five years and shall be made available for inspection upon request by any duly authorized representative of the Division for Air Quality [Sections 1b(IV) 2 and 1a(8) of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].

3. In accordance with the requirements of 401 KAR 52:020 Section 3(1)h the permittee shall allow authorized representatives of the Cabinet to perform the following during reasonable times:
   a. Enter upon the premises to inspect any facility, equipment (including air pollution control equipment), practice, or operation;
   b. To access and copy any records required by the permit:
   c. Sample or monitor, at reasonable times, substances or parameters to assure compliance with the permit or any applicable requirements.

   Reasonable times are defined as during all hours of operation, during normal office hours; or during an emergency.

4. No person shall obstruct, hamper, or interfere with any Cabinet employee or authorized representative while in the process of carrying out official duties. Refusal of entry or access may constitute grounds for permit revocation and assessment of civil penalties.

5. Summary reports of any monitoring required by this permit, other than continuous emission or opacity monitors, shall be submitted to the Regional Office listed on the front of this permit at least every six (6) months during the life of this permit, unless otherwise stated in this permit. For emission units that were still under construction or which had not commenced operation at the end of the 6-month period covered by the report and are subject to monitoring requirements in this permit, the report shall indicate that no monitoring was performed during the previous six months because the emission unit was not in operation [Section 1b (V)1 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].

SECTION F - MONITORING, RECORD KEEPING, AND REPORTING REQUIREMENTS (CONTINUED)

6. The semi-annual reports are due by January 30th and July 30th of each year. Data from the continuous emission and opacity monitors shall be reported to the Technical Services Branch in accordance with the requirements of 401 KAR 59:005, General Provisions, Section 3(3). All reports shall be certified by a responsible official pursuant to 401 KAR 52:020 Section 23. All deviations from permit requirements shall be clearly identified in the reports.

7. In accordance with the provisions of 401 KAR 50:055, Section 1 the owner or operator shall notify the Regional Office listed on the front of this permit concerning startups, shutdowns, or malfunctions as follows:
   a. When emissions during any planned shutdowns and ensuing startups will exceed the standards notification shall be made no later than three (3) days before the planned shutdown, or immediately following the decision to shut down, if the shutdown is due to events which could not have been foreseen three (3) days before the shutdown.
   b. When emissions due to malfunctions, unplanned shutdowns and ensuing startups are or may be in excess of the standards, notification shall be made as promptly as possible by telephone (or other electronic media) and shall submit written notice upon request.

8. The owner or operator shall report emission related exceedances from permit requirements including those attributed to upset conditions (other than emission exceedances covered by Section F.7. above) to the Regional Office listed on the front of this permit within 30 days. Other deviations from permit requirements shall be included in the semiannual report required by Section F.6 [Section 1b (V) 3, 4. of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].

9. Pursuant to 401 KAR 52:020, Permits, Section 21, the permittee shall annually certify compliance with the terms and conditions contained in this permit, by completing and returning a Compliance Certification Form (DEP 7007CC) (or an alternative approved by the regional office) to the Regional Office listed on the front of this permit and the U.S. EPA in accordance with the following requirements:
   a. Identification of the term or condition;
   b. Compliance status of each term or condition of the permit;
   c. Whether compliance was continuous or intermittent;
   d. The method used for determining the compliance status for the source, currently and over the reporting period.
   e. For an emissions unit that was still under construction or which has not commenced operation at the end of the 12-month period covered by the annual compliance certification, the permittee shall indicate that the unit is under construction and that compliance with any applicable requirements will be demonstrated within the timeframes specified in the permit.

SECTION F - MONITORING, RECORD KEEPING, AND REPORTING REQUIREMENTS (CONTINUED)

f. The certification shall be postmarked by January 30th of each year. Annual compliance certifications should be mailed to the following addresses:

Division for Air Quality
Bowling Green Regional Office
1508 Westen Avenue
Bowling Green, KY 42104

U.S. EPA Region IV
Air Enforcement Branch
Atlanta Federal Center
61 Forsyth St.
Atlanta, GA 30303-8960

Division for Air Quality
Central Files
803 Schenkel Lane
Frankfort, KY 40601

10. In accordance with 401 KAR 52:020, Section 22, the permittee shall provide the Division with all information necessary to determine its subject emissions within thirty (30) days of the date the KYEIS emission survey is mailed to the permittee.

11. Pursuant to Section VII (3) of the policy manual of the Division for Air Quality as referenced in 401 KAR 50:016, Section 1(1), results of performance test(s) required by the permit shall be submitted to the Division by the source or its representative within forty-five days after the completion of the fieldwork.

SECTION G - GENERAL PROVISIONS

(a) General Compliance Requirements

1. The permittee shall comply with all conditions of this permit. Noncompliance shall be a violation of 401 KAR 52:020 and of the Clean Air Act and is grounds for enforcement action including but not limited to termination, revocation and reissuance, revision or denial of a permit [Section 1a, 3 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020 Section 26].

2. The filing of a request by the permittee for any permit revision, revocation, reissuance, or termination, or of a notification of a planned change or anticipated noncompliance, shall not stay any permit condition [Section 1a, 6 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].

3. This permit may be revised, revoked, reopened and reissued, or terminated for cause in accordance with 401 KAR 52:020, Section 19. The permit will be reopened for cause and revised accordingly under the following circumstances:
   a. If additional applicable requirements become applicable to the source and the remaining permit term is three (3) years or longer. In this case, the reopening shall be completed no later than eighteen (18) months after promulgation of the applicable requirement. A reopening shall not be required if compliance with the applicable requirement is not required until after the date on which the permit is due to expire, unless this permit or any of its terms and conditions have been extended pursuant to 401 KAR 52:020, Section 12;
   b. The Cabinet or the U. S. EPA determines that the permit must be revised or revoked to assure compliance with the applicable requirements;
   c. The Cabinet or the U. S. EPA determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit;

   Proceedings to reopen and reissue a permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of the permit for which cause to reopen exists. Reopenings shall be made as expeditiously as practicable. Reopenings shall not be initiated before a notice of intent to reopen is provided to the source by the Division, at least thirty (30) days in advance of the date the permit is to be reopened, except that the Division may provide a shorter time period in the case of an emergency.

4. The permittee shall furnish information upon request of the Cabinet to determine if cause exists for modifying, revoking and reissuing, or terminating the permit; or compliance with the conditions of this permit [Section 1a, 7,8 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].

5. The permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such facts or corrected information to the permitting authority [401 KAR 52:020, Section 7(1)].

SECTION G - GENERAL PROVISIONS (CONTINUED)

6. Any condition or portion of this permit which becomes suspended or is ruled invalid as a result of any legal or other action shall not invalidate any other portion or condition of this permit [Section 1a, 14 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].

7. The permittee shall not use as a defense in an enforcement action the contention that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance [Section 1a, 4 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].

8. Except for requirements identified in this permit as state-origin requirements, all terms and conditions shall be enforceable by the United States Environmental Protection Agency and citizens of the United States [Section 1a, 15 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].

9. This permit shall be subject to suspension if the permittee fails to pay all emissions fees within 90 days after the date of notice as specified in 401 KAR 50:038, Section 3(6) [Section 1a, 10 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].

10. Nothing in this permit shall alter or affect the liability of the permittee for any violation of applicable requirements prior to or at the time of permit issuance [401 KAR 52:020, Section 11(3)(b)].

11. This permit does not convey property rights or exclusive privileges [Section 1a, 9 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].

12. Issuance of this permit does not relieve the permittee from the responsibility of obtaining any other permits, licenses, or approvals required by the Kentucky Cabinet for Natural Resources and Environmental Protection or any other federal, state, or local agency.

13. Nothing in this permit shall alter or affect the authority of U.S. EPA to obtain information pursuant to Federal Statute 42 USC 7414, Inspections, monitoring, and entry [401 KAR 52:020, Section 11(3)(d)].

14. Nothing in this permit shall alter or affect the authority of U.S. EPA to impose emergency orders pursuant to Federal Statute 42 USC 7603, Emergency orders [401 KAR 52:020, Section 11(3)(a)].

15. This permit consolidates the authority of any previously issued PSD, NSR, or Synthetic Minor source preconstruction permit terms and conditions for various emission units and incorporates all requirements of those existing permits into one single permit for this source.

SECTION G - GENERAL PROVISIONS (CONTINUED)

16. Pursuant to 401 KAR 52:020, Section 11, a permit shield shall not protect the owner or operator from enforcement actions for violating an applicable requirement prior to or at the time of issuance. Compliance with the conditions of a permit shall be considered compliance with:
    (a) Applicable requirements that are included and specifically identified in the permit and
    (b) Non-applicable requirements expressly identified in this permit.

(b) Permit Expiration and Reapplication Requirements

1. This permit shall remain in effect for a fixed term of five (5) years following the original date of issue. Permit expiration shall terminate the source's right to operate unless a timely and complete renewal application has been submitted to the Division at least six months prior to the expiration date of the permit. Upon a timely and complete submittal, the authorization to operate within the terms and conditions of this permit, including any permit shield, shall remain in effect beyond the expiration date, until the renewal permit is issued or denied by the Division [401 KAR 52:020, Section 12].

2. The authority to operate granted shall cease to apply if the source fails to submit additional information requested by the Division after the completeness determination has been made on any application, by whatever deadline the Division sets [401 KAR 52:020 Section 8(2)].

(c) Permit Revisions

1. A minor permit revision procedure may be used for permit revisions involving the use of economic incentive, marketable permit, emission trading, and other similar approaches, to the extent that these minor permit revision procedures are explicitly provided for in the SIP or in applicable requirements and meet the relevant requirements of 401 KAR 52:020, Section 14(2).

2. This permit is not transferable by the permittee. Future owners and operators shall obtain a new permit from the Division for Air Quality. The new permit may be processed as an administrative amendment if no other change in this permit is necessary, and provided that a written agreement containing a specific date for transfer of permit responsibility coverage and liability between the current and new permittee has been submitted to the permitting authority within ten (10) days following the transfer.

(d) Construction, Start-Up, and Initial Compliance Demonstration Requirements
Pursuant to a duly submitted application the Kentucky Division for Air Quality hereby authorizes the construction of the equipment described herein, emission points #6 (Plating Operatons) and Insignificant Activities (#18,19,20,23) in accordance with the terms and conditions of this permit.

1. Construction of any process and/or air pollution control equipment authorized by this permit shall be conducted and completed only in compliance with the conditions of this permit.

SECTION G - GENERAL PROVISIONS (CONTINUED)

2. Within thirty (30) days following commencement of construction and within fifteen (15) days following start-up and attainment of the maximum production rate specified in the permit application, or within fifteen (15) days following the issuance date of this permit, whichever is later, the permittee shall furnish to the Regional Office listed on the front of this permit in writing, with a copy to the Division's Frankfort Central Office, notification of the following:
   a. The date when construction commenced.
   b. The date of start-up of the affected facilities listed in this permit.
   c. The date when the maximum production rate specified in the permit application was achieved.

3. Pursuant to 401 KAR 52:020, Section 3(2), unless construction is commenced within eighteen (18) months after the permit is issued, or begins but is discontinued for a period of eighteen (18) months or is not completed within a reasonable timeframe then the construction and operating authority granted by this permit for those affected facilities for which construction was not completed shall immediately become invalid. Upon written request, the Cabinet may extend these time periods if the source shows good cause.

4. For those affected facilities for which construction is authorized by this permit, a source shall be allowed to construct with the proposed permit. Operational or final permit approval is not granted by this permit until compliance with the applicable standards specified herein has been demonstrated pursuant to 401 KAR 50:055. If compliance is not demonstrated within the prescribed timeframe provided in 401 KAR 50:055, the source shall operate thereafter only for the purpose of demonstrating compliance, unless otherwise authorized by Section I of this permit or order of the Cabinet.

5. This permit shall allow time for the initial start-up, operation, and compliance demonstration of the affected facilities listed herein. However, within sixty (60) days after achieving the maximum production rate at which the affected facilities will be operated but not later than 180 days after initial start-up of such facilities, the permittee shall conduct a performance demonstration ***(test)*** on the affected facilities in accordance with 401 KAR 50:055, General compliance requirements. ***These performance tests must also be conducted in accordance with General Provisions G(d)7 of this permit and the permittee must furnish to the Division for Air Quality's Frankfort Central Office a written report of the results of such performance test***

6. Terms and conditions in this permit established pursuant to the construction authority of 401 KAR 51:017 or 401 KAR 51:052 shall not expire.

7. Pursuant to Section VII 2.(1) of the policy manual of the Division for Air Quality as referenced by 401 KAR 50:016, Section 1.(1), at least one month prior to the date of the required performance test, the permittee shall complete and return a Compliance Test Protocol (Form DEP 6027) to the Division's Frankfort Central Office. Pursuant to 401 KAR 50:045, Section 5, the Division shall be notified of the actual test date at least ten (10) days prior to the test.

SECTION G - GENERAL PROVISIONS (CONTINUED)

8. Pursuant to Section VII 1.(2 and 3) of the policy manual of the Division for Air Quality as referenced by 401 KAR 50:016, Section 1.(1), if a demonstration of compliance, through performance testing was made at a production rate less than the maximum specified in the application form, then the permittee is only authorized to operate at a rate that is not greater than 110% of the rate demonstrated during performance testing. If and when the facility is capable of operation at the rate specified in the application, compliance must be demonstrated at the new production rate if required by the Division.

(e) Acid Rain Program Requirements

1. If an applicable requirement of Federal Statute 42 USC 7401 through 7671q (the Clean Air Act) is more stringent than an applicable requirement promulgated pursuant to Federal Statute 42 USC 7651 through 7651o (Title IV of the Act), both provisions shall apply, and both shall be state and federally enforceable.

(f) Emergency Provisions

1. Pursuant to 401 KAR 52:020 Section 24(1), an emergency shall constitute an affirmative defense to an action brought for the noncompliance with the technology-based emission limitations if the permittee demonstrates through properly signed contemporaneous operating logs or relevant evidence that:
   a. An emergency occurred and the permittee can identify the cause of the emergency;
   b. The permitted facility was at the time being properly operated;
   c. During an emergency, the permittee took all reasonable steps to minimize levels of emissions that exceeded the emissions standards or other requirements in the permit; and
   d. Pursuant to 401 KAR 52:020, 401 KAR 50:055, and KRS 224.01-400, the permittee notified the Division as promptly as possible and submitted written notice of the emergency to the Division when emission limitations were exceeded due to an emergency. The notice shall include a description of the emergency, steps taken to mitigate emissions, and corrective actions taken.
   e. This requirement does not relieve the source of other local, state or federal notification requirements.

2. Emergency conditions listed in General Condition (f)1 above are in addition to any emergency or upset provision(s) contained in an applicable requirement [401 KAR 52:020, Section 24(3)].

3. In an enforcement proceeding, the permittee seeking to establish the occurrence of an emergency shall have the burden of proof [401 KAR 52:020, Section 24(2)].

SECTION G - GENERAL PROVISIONS (CONTINUED)

(g) Risk Management Provisions

1. The permittee shall comply with all applicable requirements of 401 KAR Chapter 68, Chemical Accident Prevention, which incorporates by reference 40 CFR Part 68, Risk Management Plan provisions. If required, the permittee shall comply with the Risk Management Program and submit a Risk Management Plan to:

   RMP Reporting Center
   P.O. Box 3346
   Merrifield, VA, 22116-3346

2. If requested, submit additional relevant information to the Division or the U.S. EPA.

(h) Ozone depleting substances

1. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:
   a. Persons opening appliances for maintenance, service, repair, or disposal shall comply with the required practices contained in 40 CFR 82.156.
   b. Equipment used during the maintenance, service, repair, or disposal of appliances shall comply with the standards for recycling and recovery equipment contained in 40 CFR 82.158.
   c. Persons performing maintenance, service, repair, or disposal of appliances shall be certified by an approved technician certification program pursuant to 40 CFR 82.161.
   d. Persons disposing of small appliances, MVACs, and MVAC-like appliances (as defined at 40 CFR 82.152) shall comply with the recordkeeping requirements pursuant to 40 CFR 82.166
   e. Persons owning commercial or industrial process refrigeration equipment shall comply with the leak repair requirements pursuant to 40 CFR 82.156.
   f. Owners/operators of appliances normally containing 50 or more pounds of refrigerant shall keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166.

2. If the permittee performs service on motor (fleet) vehicle air conditioners containing ozone-depleting substances, the source shall comply with all applicable requirements as specified in 40 CFR 82, Subpart B, *Servicing of Motor Vehicle Air Conditioners*.

SECTION H - ALTERNATE OPERATING SCENARIOS

None

SECTION I - COMPLIANCE SCHEDULE

None